

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001255508 A

(43) Date of publication of application: 21.09.01

(51) Int. CI G02F 1/133			
(21) Application number 2000069589	(71) Applicant:	SHARP CORP	
(22) Date of filing 14.03.00	(72) Inventor	KABE MASAAKI TAGAWA AKIRA FURUKAWA TOMOAKI ITO NOBUYUKI NUMAO KOJI	

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a liquid crystal display device for displaying a uniform gradation level in the pixels, corresponding to each gate line when a backlight is turned on, in contrast to the case of not completely ending the response of the liquid crystal.

SOLUTION A liquid crystal display element is provided with n gate lines and m data lines and comprises pixel cells which are arranged in a matrix form, corresponding to the intersections of the gate lines and data lines. In a liquid crystal display device, which is provided with the liquid crystal display element and where a selection signal to the a-th gate line to be scanned (a is an integer where 12a2n) is applied at a time ta, and a selection signal to the b-th gate line (b is an integer, b+a and 12b2n) is applied at a time to, and backlight made incident on a pixel cell Ca corresponding to the a-th gate line and a pixel cell Cb, corresponding to the b-th gate line, is turned on and off almost simultaneously, a voltage level regulating means is provided for adjusting the voltage levels to be applied to the pixel cells Ca, Cb, so as to obtain almost the same level of luminance

as at the pixel cells Ca, Cb.

COPYRIGHT (C)2001 JPO

